

BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Name of work: Estimate for Improvements to Road and Drains at Near Munikrishna House Roads Thirumenahalli in ward No 05 Byatarayanapura Sub Division

		Estimate Cost Rs.						2000000.00	
SI No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRB 2-1.1: Earth work in surface excavation in ordinary soil for leveling and lowering the ground manually (other than foundation of buildings, culverts, road drains and trenches of pipe line and cables) and removing the excavated stuff to a distance not exceeding 50m and lift upto 1.5m, excavated surface leveled and neatly dressed, disposed earth to be leveled after breaking of clods and neatly dressed as per specifications, Specification No KBS 2.1(a) / 2.3.1, P. No. 5/ Item No. 2.1/ PWD SR 2013-14	cum							
	For Road Surface								
	Munikrishna House Road		1	41.60	4.50	0.30	56.16		
			1	47.00	4.50	0.30	63.45		
	Chandrashekar Reddy House Road		1	72.00	4.00	0.30	86.40		
	Kumar House Road		1	36.80	4.50	0.30	49.68		
			1	30.00	4.00	0.30	36.00		
							292.50	126.36	36960.00
	Basic Rate	117.00							
	Area Weightage @ 8%	9.36							
	Total	126.36							
2	KSRB 2-2.1 : earth work excavation for foundation of buildings, culverts water supply, sanitary line and electrical conduits either in pits or in trenches 1.5m and above in width, in Hard soil not exceeding 1.5m, in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m, after breaking of clods complete as per specifications, specification, No, KBS 2.1(a) / 2.3.5, No. 5/ Item No. 2.4/ PWD SR 2013-14	Cum							
	For Drains								
	Munikrishna House Road		2	41.60	0.75	0.75	46.80		
			2	47.00	0.75	0.75	52.88		
	Chandrashekar Reddy House Road		2	62.00	0.75	0.75	69.75		
	Culverts		4	7.00	1.85	1.05	54.39		
							223.14	227.88	50849.00
	Basic Rate	211.00							
	Area Weightage @ 8%	16.88							
	Total	227.88							
3	Providing granite slabs of selected quality roughly dressed and fixed in cement mortar(1:6) including fixing curing etc, complete -do- 7.5 cms thick Page No. 28/ Item No. 5.31.1/ PWD SR 2013-14	Sqm							
	Munikrishna House Road		2	41.60	1.65		137.28		
			2	47.00	1.65		155.10		
	Chandrashekar Reddy House Road		2	62.00	1.65		204.60		

SI No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
							495.00	343.44	170003.00
	Basic Rate	318.00							
	Area Weightage @ 8%	25.44							
	Total	343.44							
4	KSRB-4-1.3 : Providing and laying in position plain cement concrete of mix M 7.5 with OPC cement at 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @0.57cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1.4.2, No. 12/ Item No. 4.3/ PWD SR 2013-14	Cum							
	For Culverts		4	7.00	1.85	0.15	7.77		
	Munikrishna House Road		1	41.60	4.50	0.15	28.08		
			1	47.00	4.50	0.15	31.73		
	Chandrashekar Reddy House Road		1	72.00	4.20	0.15	45.36		
	Kumar House Road		1	36.80	4.50	0.15	24.84		
			1	30.00	4.00	0.15	18.00		
							154.02	4290.84	660875.00
	Basic Rate	3973.00							
	Area Weightage @ 8%	317.84							
	Total	4290.84							
5	KSRB 5.2.3 Providing and constructing granite / trap / basalt Size stone masonry in foundation with cement mortar 1:6, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.KBS 5.1.13 Page No. 25/ Item No. 5.6/ PWD SR 2013-14	cum							
	For Culverts		4X2	7.00	0.60	0.45	15.12		
							15.12	3549.96	53675.00
	Basic Rate	3287.00							
	Area Weightage @ 8%	262.96							
	Total	3549.96							
6	KSRB 5.3-3 Providing and constructing granite / trap / basalt size stone masonry in basement with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.KBS 5-1.13 Page No. 26/ Item No. 5.9/ PWD SR 2013-14	Sqm							
	For Culverts		4X2	7.00	0.50	0.45	12.60		
							12.60	4227.12	53262.00
	Basic Rate	3914.00							
	Area Weightage @ 8%	313.12							
	Total	4227.12							

SI No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
7	KSRB 4-6.7 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for sides and soffits of beams, beam haunchings, cantilever girders, bressumers and lintels not exceeding 1 m in depth including cost of all materials, labour complete as per specifications. Specification NO KBS 4.6.2 Page No. 17/ Item No. 4.34/ PWD SR 2013-14	Sqm							
	For Culverts		4	7.00	0.60		16.80		
	For Sides		4X2	7.00	0.23		12.88		
			4X2	1.65	0.23		3.04		
							32.72	244.08	7985.00
	Basic Rate	226.00							
	Area Weightage @ 8%	18.08							
	Total	244.08							
8	KSRB 4-1.7 : : Providing and laying in position plain cement concrete of mix M10 with OPC cement @ 220kgs, with 20mm and down size graded granite metal coarse aggregates @0.84cum and fine aggregates @0.56cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1.4.2/P No. 13/ Item No. 4.7/ PWD SR 2013-14	cum							
	For Culverts		4X2	7.00	0.45	0.10	2.52		
	Vent Bed		4	7.00	0.60	0.10	1.68		
							4.20	4737.96	19899.00
	Basic Rate	4387.00							
	Area Weightage @ 8%	350.96							
	Total	4737.96							
9	KSRB 4.2.2 : Providing and laying in position plain cement concrete of mix M20 with OPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.878cum and fine aggregates @0.459cum with superplastesisre @ 3lts conforming to IS9103-1999Reffirmed machine mixed exceeding 15cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintels, retaining walls, return walls, walls(any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc, including cost of all materials, labour HOM of machinery, curing, complete as per specifications. Specification. No. KBS 4.1,4.6, No. KBS 4.1,4.6, No. 13/ Item No. 4.11/ PWD SR 2013-14	Cum							
	For Culverts		4	6.00	1.65	0.23	9.11		
							9.11	5639.76	51367.00
	Basic Rate	5222.00							
	Area Weightage @ 8%	417.76							

SI No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	Total	5639.76							
10	KSRB 4.9.2:providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost pf materials, labour, HOM of machinery complete as per specifications.Specification No. KBS 4.6.3 Page No. 19/ Item No. 4.46.1/ PWD SR 2013-14	Qtl							
	100 Kgl/Cum		1.00	9.11			9.11	7380.72	67224.00
	Basic Rate	6834.00							
	Area Weightage @ 8%	546.72							
	Total	7380.72							
11	KSRB 15.1.3: Providing FLush pointing to coursed stone masonry with cement mortar 1:3, 20 mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications. Page No. 122/ Item No. 15.1/ PWD SR 2013-14	Sqm							
	For Culverts		4X2	6.00		0.85	40.80		
							40.80	79.92	3261.00
	Basic Rate	74.00							
	Area Weightage @ 8%	5.92							
	Total	79.92							
12	Providing and laying cement concrete using 20mm and down size granite jelly of ready mixed concrete (RMC)for R.C.C works laid in 15cms thick layers and well compacted vibrating, curing, finishing with necessary cement mortar, form works and scaffoldings to withstand pumping of concrete, with all lead and lifts etc., complete (exclusive of cost of steel and fabrication charges.) Ready mixed Cement concrete M-20 for raft foundation, column footing, main and secondary beams. Page No. 19/ Item No. 4.48.1/ PWD SR 2013-14	Cum							
	Munikrishna House Road		1	41.60	4.50	0.10	18.72		
			1	47.00	4.50	0.10	21.15		
	Chandrashekar Reddy House Road		1	72.00	4.20	0.10	30.24		
	Kumar House Road		1	36.80	4.50	0.10	16.56		
			1	30.00	4.00	0.10	12.00		
							97.50	6464.88	630326.00
	Basic Rate	5986.00							
	Area Weightage @ 8%	478.88							
	Total	6464.88							
13	Precast slab 20mm and down size for slab (including steel reinforcement) including centring and shuttering machine mixed concrete laid in layers not exceeding 15cms thick well compacted cost of all materials labour HOM of machineries curing complete as per specifications c.c 1:1.5:3 Including all cost of Matirial (DATA RATE ENCLOSED)	Sqm							
	For Drains		1	45.00	0.90		40.50		
							40.50	1427.15	57800.00

SI No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	Data Rate	1427.15							
14	KSRRB M2600-3: (ii) Providing & fixing 20 mm thick compressible fibre board in expansion joint complete as per drawing & technical specification complete as per specifications, MORTH specification No. 2605, No. 248/ Item No. 31.3 PWD SR 2013-14	M							
	Munikrishna House Road								
	Basic Rate	127.00							
	Area Weightage @ 8%	10.16							
	Total	137.16							
15	Vaccum De- writing with vaccum pump and suction mat and compaction with skin flater clubbed with floatiog disc including cost of generator, HOM of machinery Sereed Vibratory Power Floaterblade and diisc etc. with all lead and lift No. 187/ Item No. 22.7/ PWD SR 2013-14	Sqm							
	Munikrishna House Road		1	150.00	6.50		975.00		
	Basic Rate	85.00							
	Area Weightage @ 8%	6.80							
	Total	91.80							
16	Lead for Disposal of Debris shall be payable at carage rates by Mechanical means inclcuding loading and unloading. From 0.00 to 2.00 Km (Page No.123,	Cum							
	Average Weight of Earth 1.28 Ton/Cum								
	Basic Rate Lead Charges Upto 2.00 Kms	5.12							
	PWD SR 2010-11 (P 118/I.17.1) For loading and unloading	62.20							
	Total	67.32							
17	For 1% Third Party Charges								
18	Miscellaneous Charges	L/S							
	Total								2000000.00

(Rupees Twenty Lakhs Only)

Certificate:

- 1 The work spot has been inspected and the work is found necessary.
- 2 This estimate is prepared as per PWD SR of 2012-13
- 3 The provisions were made in this estimate are necessary and adequate.
- 4 This works come under B.B.M.P. limits.

Assistant Engineer

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Assistant Executive Engineer

Bruhat Bangalore Mahanagara Palike

Byatarayanapura Sub Division

Executive Engineer

Bruhat Bangalore Mahanagara Palike

Byatarayanapura Division

Thirumavalaiy Main Road

72.00 MHz

47.00mm

mami k m sune
house

41-60mm

Kumar's house

36.8 MW

30.00 MW

← Thamisaandra

MAIN ROAD

Веллхаллу

AE-05

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Assistant Executive Engineer
Byatarayanapura Sub Division
B.B.M.P. Bangalore

Income

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C.C. Road

— covering slag